CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/W.No.14/KRIDL/GSB-I/GR/2016-17 Date 26.12.2016

TEST REPORT ON GRADATION FOR COARSE GRADED GARNULAR SUB BASE

* Customer	:	**Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of work	:	Improvements to 1st Main, 6th A Cross and other cross roads at Manjunatha Nagar in Bagalagunte in Ward No.14, T. Dasarahalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/DZ/AEE/TDSD/PR/468/2016-17 Dated: 22.12.2016
* Sample ID	:	Coarse Graded-I
Technical Reference	:	IS : 2720 (Part - 4), MORTH Table : 400-2
Date of Testing	:	26.12.2016

Oven Dry Wt (gm) : 5000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Specified Limits
75	0	0	0	100	100
26.5	1305	1305	26.10	73.90	55-75
4.75	2325	3630	72.60	27.40	10-30
0.075	1200	4830	96.60	3.40	<10
PAN	170				
Total	5000				

Civil-Tech Consultants & Engineers Bangalore

* Information is furnished by the Customer/Representative

Remarks: Satisfies MORTH Specifications as per Table 400-2, Grading I

Note:

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⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory

⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

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* Customer	:	**Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
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* Reference	:	BBMP/DZ/AEE/TDSD/PR/468/2016-17 Dated: 22.12.2016
* Sample ID	:	Coarse Graded-I
Technical Reference	:	IS : 2720 (Part - 4), MORTH Table : 400-2
Date of Testing	:	26.12.2016

Oven Dry Wt (gm) : 5000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Specified Limits
75	0	0	0	100	100
26.5	1400	1400	28.00	72.00	55-75
4.75	2350	3750	75.00	25.00	10-30
0.075	1150	4900	98.00	2.00	<10
PAN	100				
Total	5000				

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* Information is furnished by the Customer/Representative

Remarks: Satisfies MORTH Specifications as per Table 400-2, Grading I

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Job No.: CTCE/BBMP/W.No.14/KRIDL/GSB-1/AL/2014-15 Date 26.12.2016

TEST REPORT ON ATTERBERG LIMITS FOR GRANULAR SUB BASE

* Customer	:	**Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of work	:	Improvements to 1st Main, 6th A Cross and other cross roads at Manjunatha Nagar in Bagalagunte in Ward No.14, T. Dasarahalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/DZ/AEE/TDSD/PR/468/2016-17 Dated: 22.12.2016
* Sample ID	:	GSB- (Coarse graded-I)
Technical Reference	:	IS : 2720 (Part - 5), MORTH Table : 400-01
Date of Testing	:	26.12.2016

Sl. No.	Particulars	Test Results	Standards as per Specifications
1	Liquid Limit, %	22.50	25.0% Maximum.
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

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ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

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TEST REPORT ON ATTERBERG LIMITS FOR GRANULAR SUB BASE

* Customer	:	**Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
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* Reference	:	BBMP/DZ/AEE/TDSD/PR/468/2016-17 Dated: 22.12.2016
* Sample ID	:	GSB- (Coarse graded-I)
Technical Reference	:	IS : 2720 (Part - 5), MORTH Table : 400-01
Date of Testing	:	26.12.2016

Sl. No.	Particulars	Test Results	Standards as per Specifications
1	Liquid Limit, %	23.00	25.0% Maximum.
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

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Job No.: CTCE/BBMP/W.No.14/KRIDL/WMM/Gradation/2016-17 30.12.2016

TEST REPORT ON GRADATION OF WET MIX MACADAM

* Customer	:	**Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of Work	:	Improvements to 1st Main, 6th A Cross and other cross roads at Manjunatha Nagar in Bagalagunte in Ward No.14, T. Dasarahalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/DZ/AEE/TDSD/PR/468/2016-17 Dated: 22.12.2016
Sample ID	:	Wet Mix Macadam
Technical Reference	:	IS 2386 (part-1)1963 (RA-2016)
Date of Testing	:	30.12.2016

Oven Dry Wt (gm): **5000**

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits As per Morth Table 400-11
53	0	0	0	100	100
45	135	135	2.7	97.3	95-100
22.4	1550	1685	33.70	66.30	60-80
11.2	1050	2735	54.70	45.30	40-60
4.75	555	3290	65.80	34.20	25-40
2.36	485	3775	75.50	24.50	15-30
0.600	495	4270	85.40	14.60	8-22
0.075	615	4885	97.70	2.30	0-8

*Information is furnished by the Customer/Representative.

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* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
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* Reference	:	BBMP/DZ/AEE/TDSD/PR/468/2016-17 Dated: 22.12.2016
Sample ID	:	Wet Mix Macadam
Technical Reference	:	IS 2386 (part-1)1963 (RA-2016)
Date of Testing	:	30.12.2016

Oven Dry Wt (gm): **5000**

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits As per Morth Table 400-11
53	0	0	0	100	100
45	135	135	2.7	97.3	95-100
22.4	1550	1685	33.70	66.30	60-80
11.2	1050	2735	54.70	45.30	40-60
4.75	555	3290	65.80	34.20	25-40
2.36	485	3775	75.50	24.50	15-30
0.600	495	4270	85.40	14.60	8-22
0.075	615	4885	97.70	2.30	0-8

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